

FIG. 2

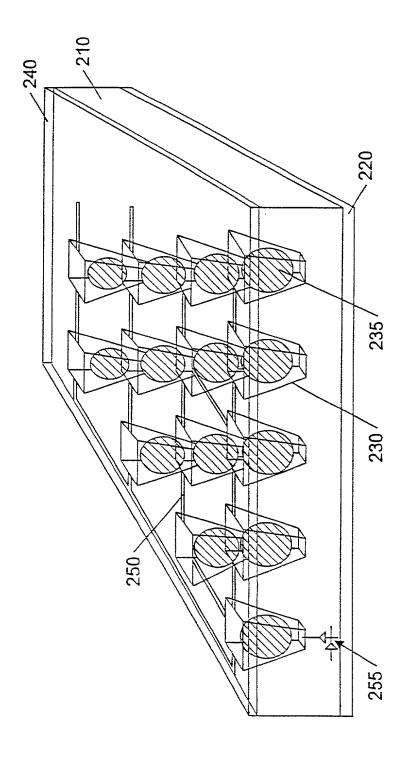


FIG. 3

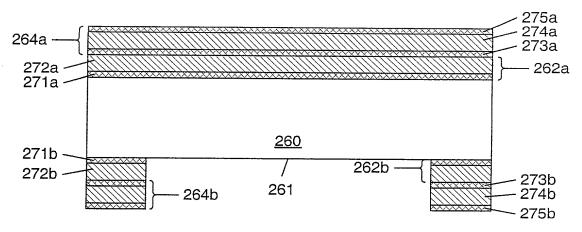


FIG. 4A

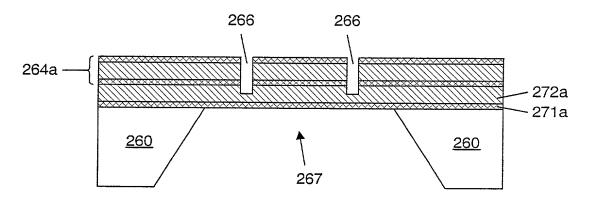


FIG. 4B

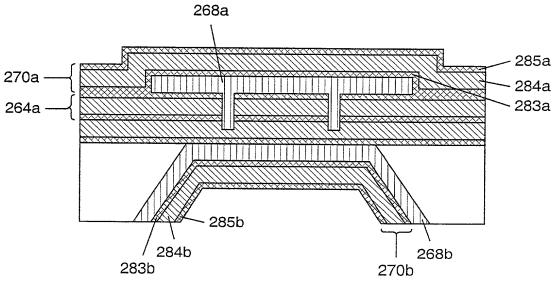


FIG. 4C

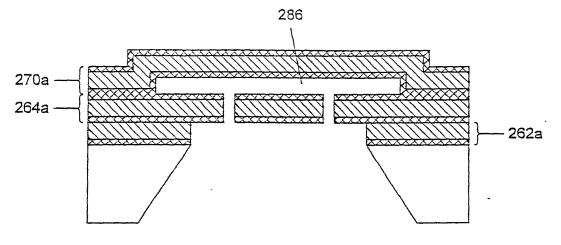


FIG. 4D

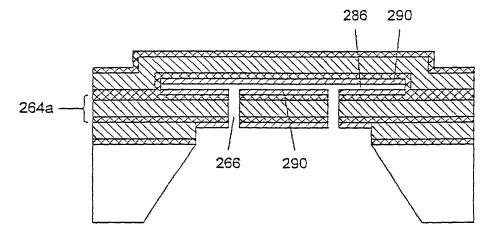


FIG. 4E

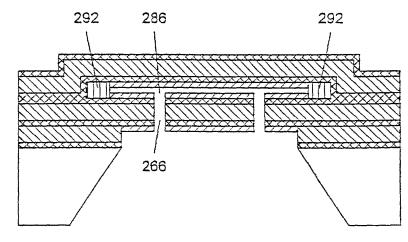


FIG. 4F

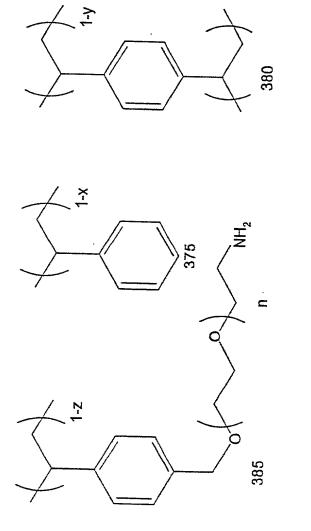


FIG. 5

FIG. 6

o-cresolphthalein complexone

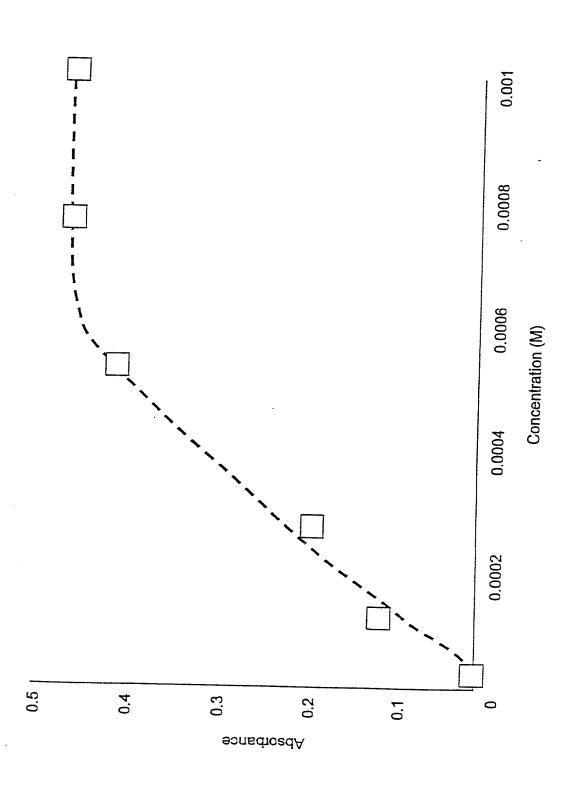


FIG. 7

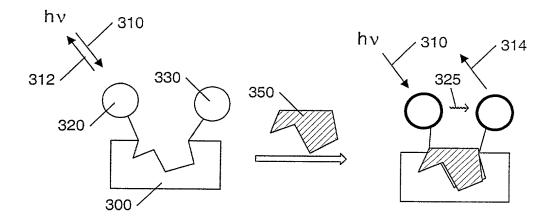


FIG. 8

FIG. 9

FIG. 10

$$NH_2$$
 HO_2C
 HO_2C

$$\begin{array}{c} H_2N-R_2-NHtBOC \\ \hline 420 \\ \hline \end{array}$$

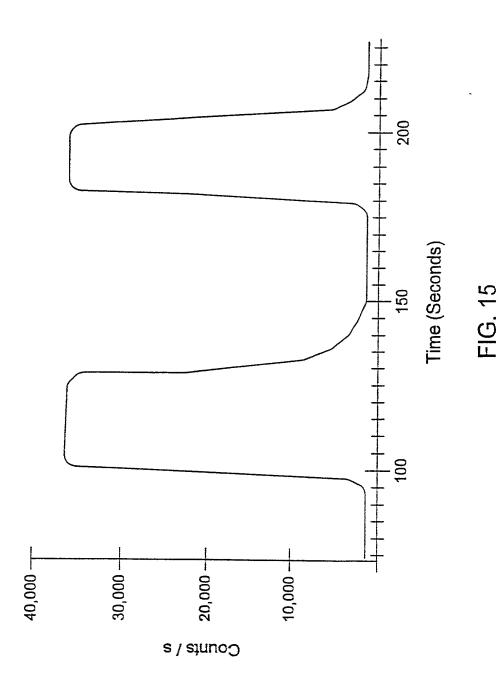
$$\begin{array}{c} \xrightarrow{\text{H}_2\text{N}-\text{R}_3-\text{NHtBOC}} \\ \xrightarrow{\text{P}_1} \\ \xrightarrow{\text{N}} \\ \xrightarrow{\text{R}_1} \\ \xrightarrow{\text{N}} \\ \xrightarrow{$$

FIG. 11

FIG. 12

FIG. 13

FIG. 14



RESIN:		Plank	A 15-	o-Cresol-	T	Alizarin-Ce ³⁺
рН	lon	Blank	Alizarin	phthalein	Fluorescein	complex
2	none	R G B	R G S B	R G B	K () m	R G
2	Ca ²⁺	R G B	R G S B	R G B	R G B	R G B
7	none	кхка/// к G в	R G	R G B	R G B	R G B
7	Ca ²⁺	R G B	R G B	К (J В	R G B	R G B
7	F -	R G B	R G B	R () m	R G B	R G B
12	none	R G B	R G B	R G B	R G B	R G B
12	Ca ²⁺	R G B	R G B	R G	R G S B	R G B
12	F -	R G B	R G B	R G B	R G	R G B

FIG. 16

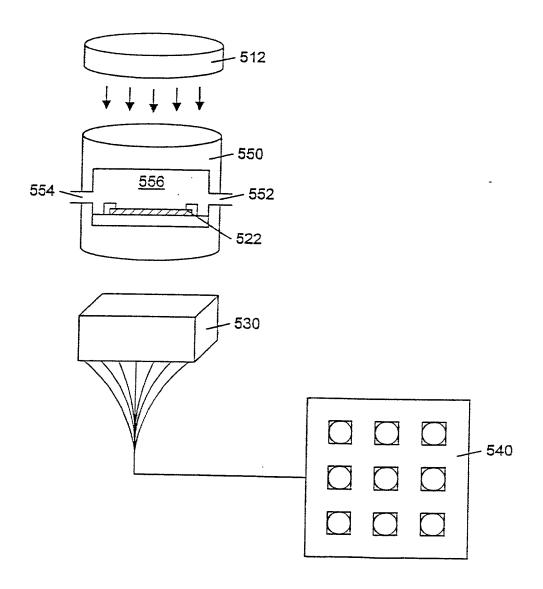


FIG. 17

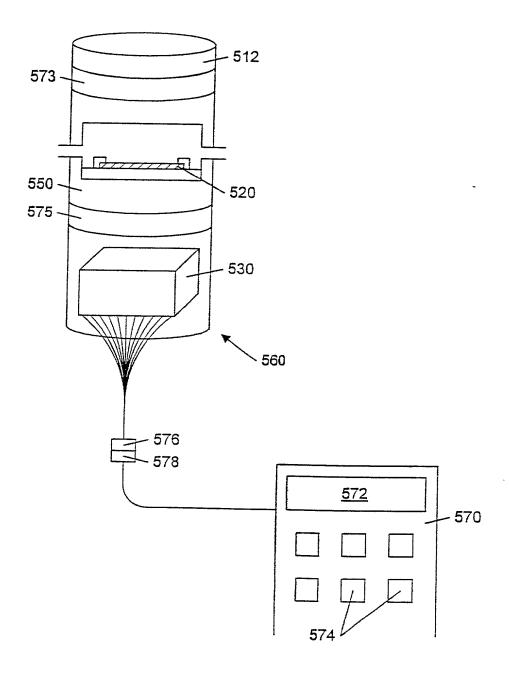


FIG. 18

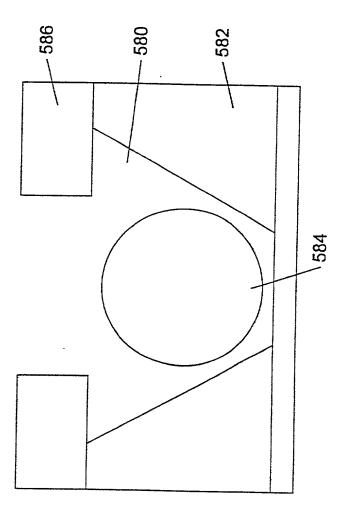


FIG. 19

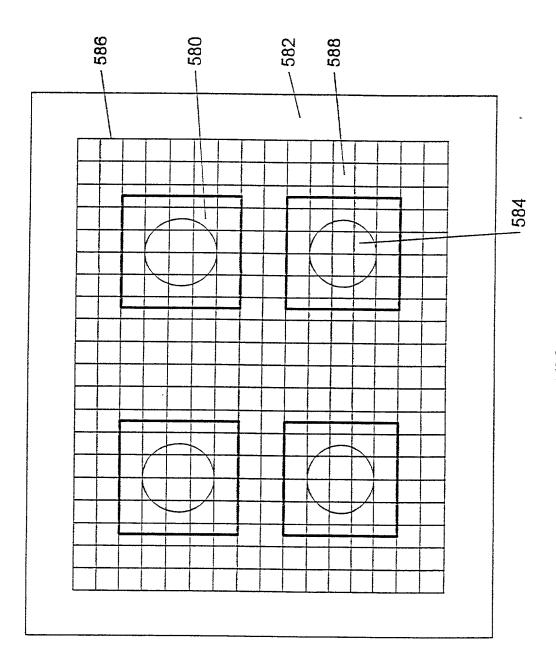


FIG. 20

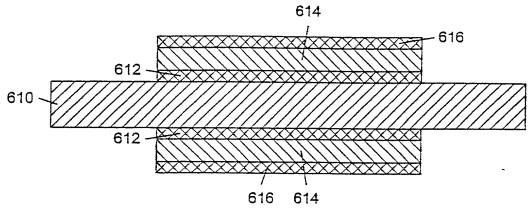


FIG. 21A

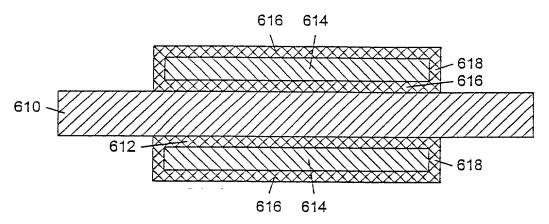


FIG. 21B

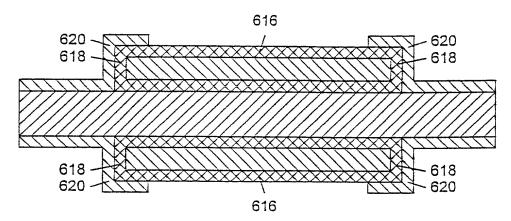


FIG. 21C

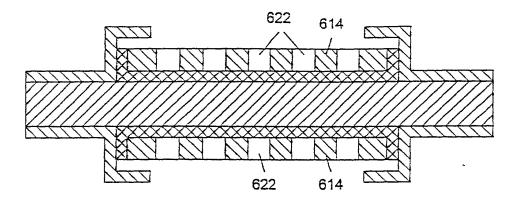
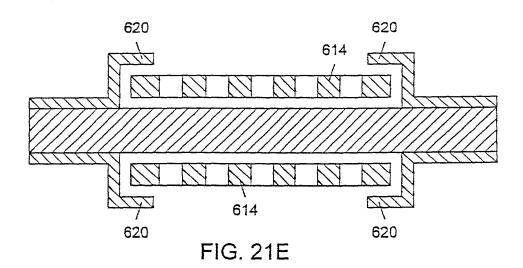


FIG. 21D



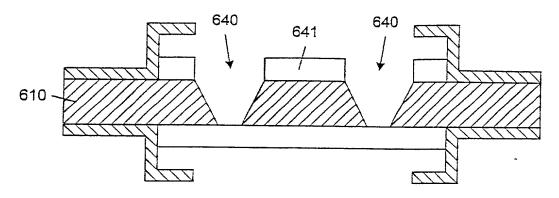


FIG. 21F

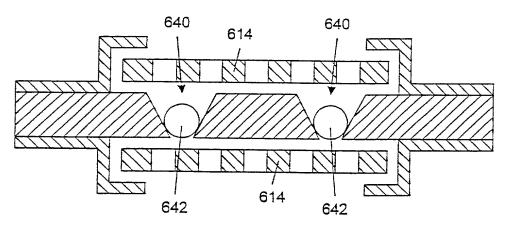
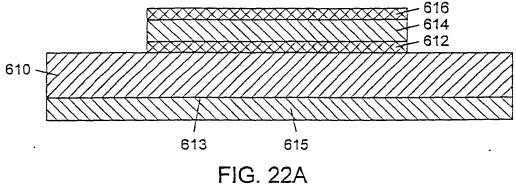


FIG. 21G



1 IG. 22A

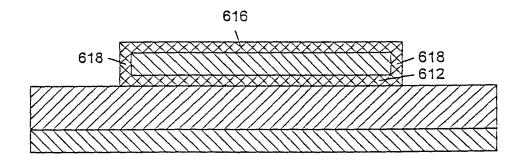


FIG. 22B

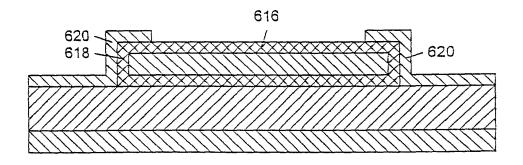
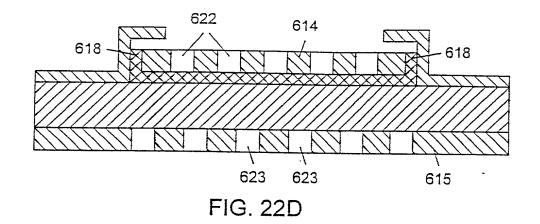


FIG. 22C



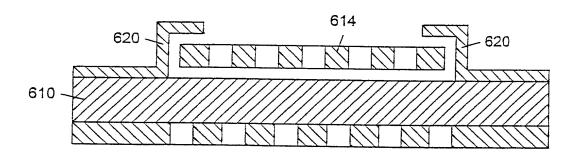


FIG. 22E

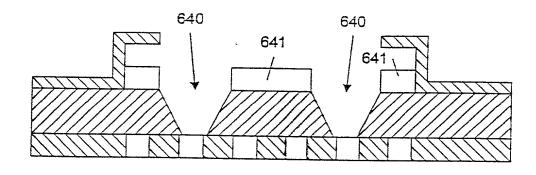


FIG. 22F

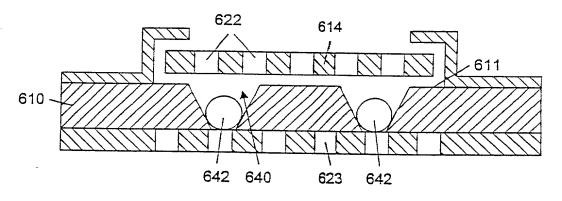


FIG. 22G

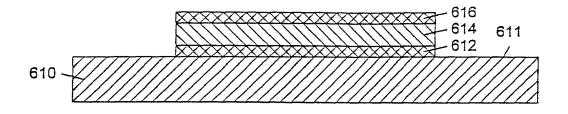


FIG. 23A

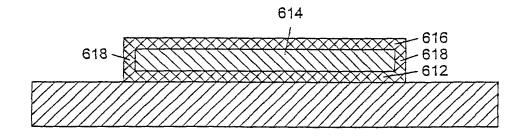


FIG. 23B

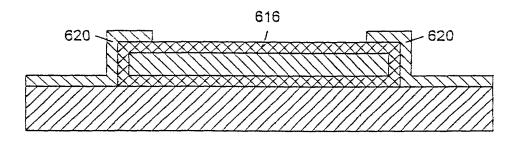


FIG. 23C

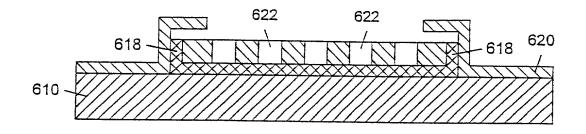


FIG. 23D

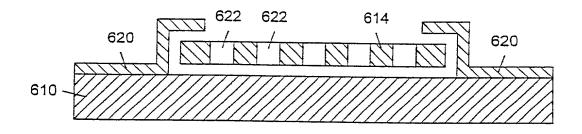


FIG. 23E

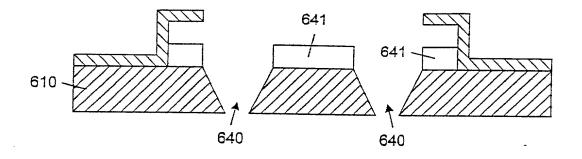


FIG. 23F

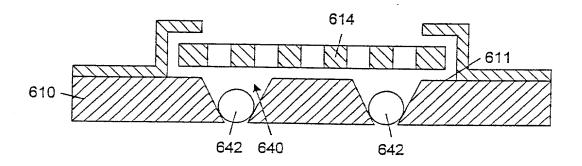
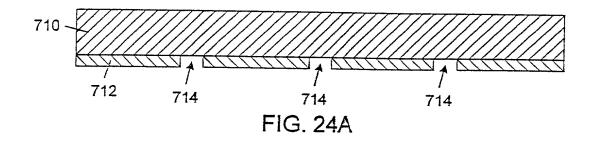


FIG. 23G



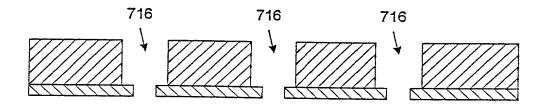


FIG. 24B

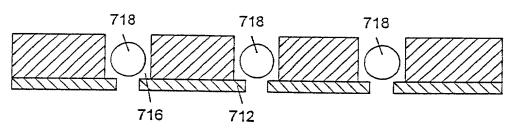


FIG. 24C

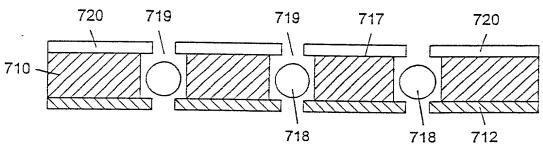
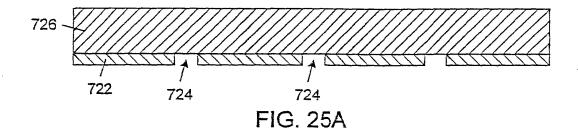


FIG. 24D



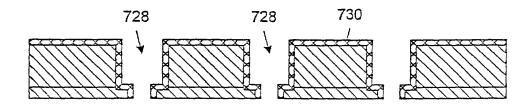
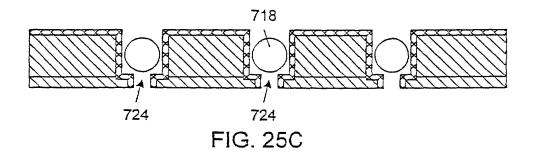


FIG. 25B



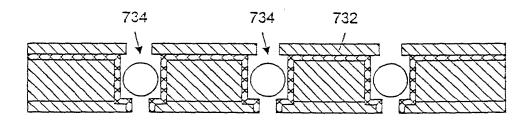
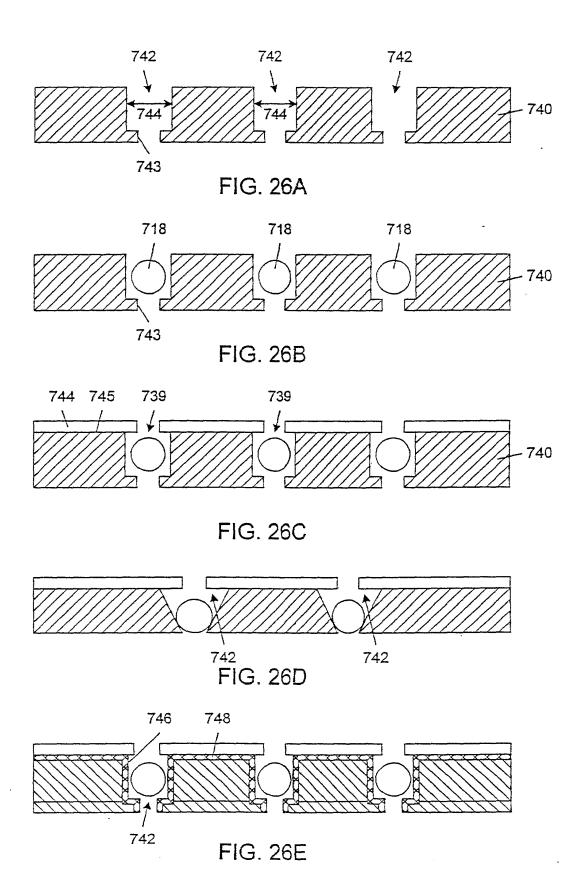


FIG. 25D



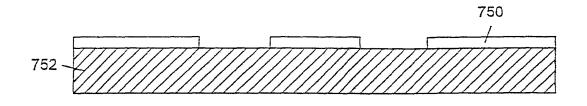


FIG. 27A

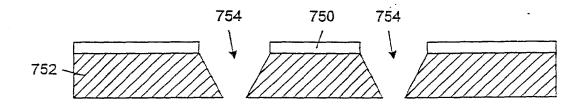


FIG. 27B

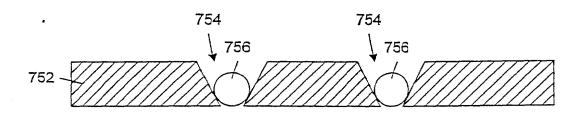
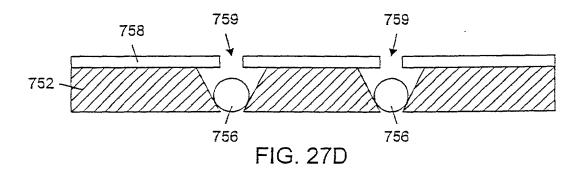
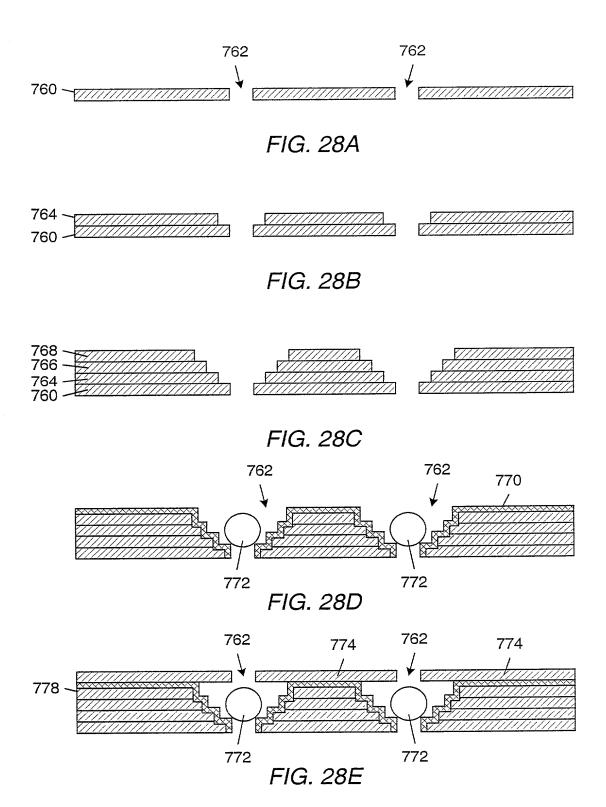
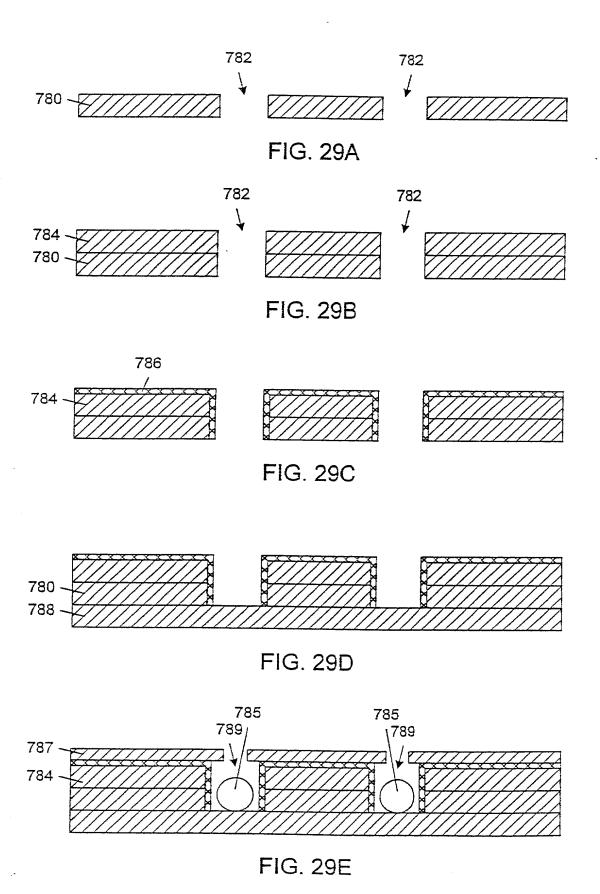


FIG. 27C







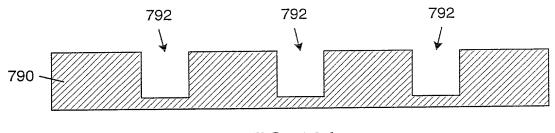


FIG. 30A

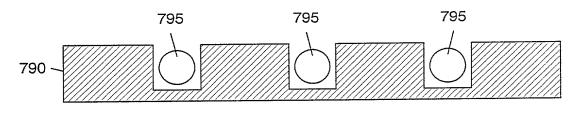


FIG. 30B

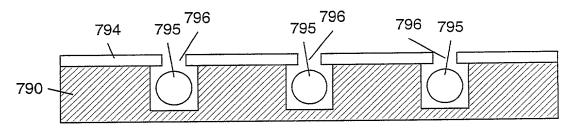


FIG. 30C

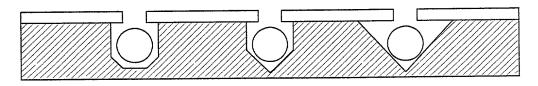


FIG. 30D

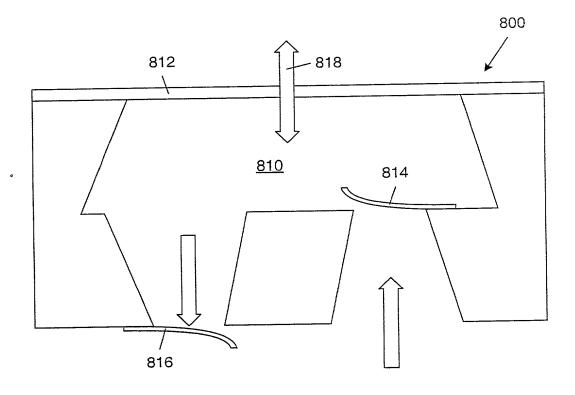


FIG. 31

than something

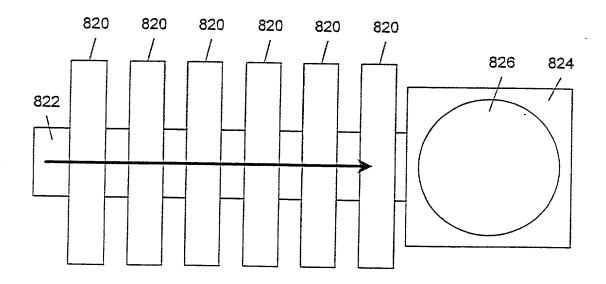


FIG. 32

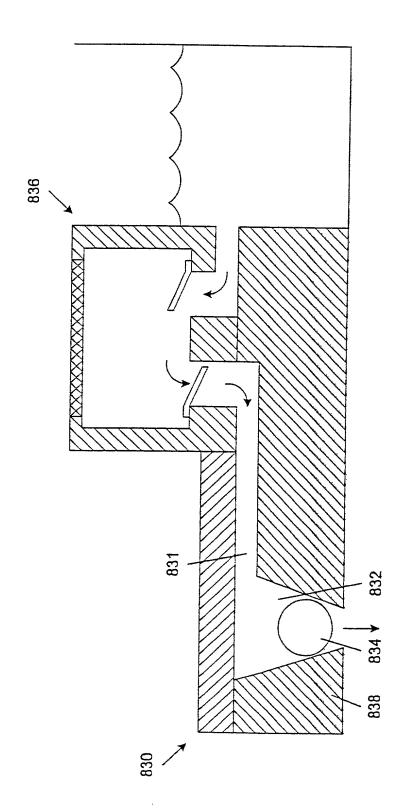


FIG. 33

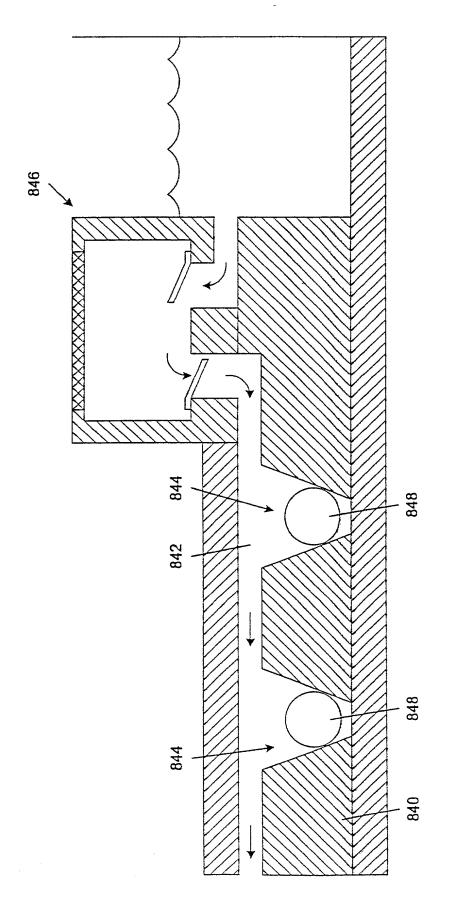


FIG. 34

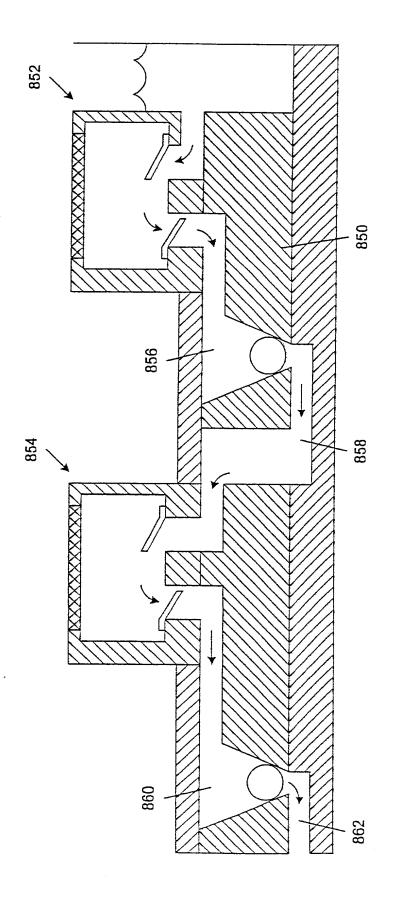


FIG. 35

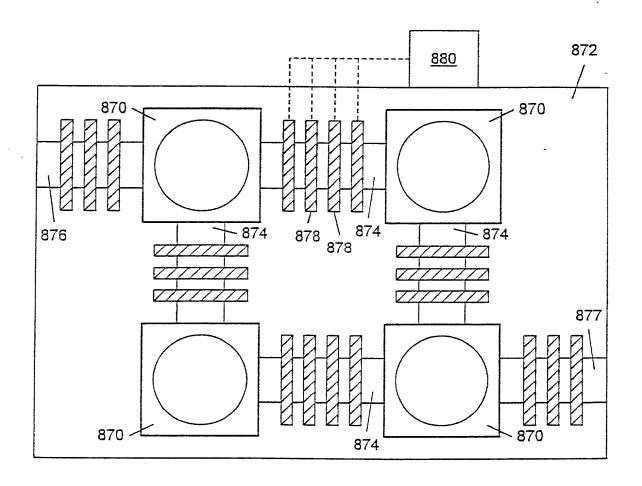
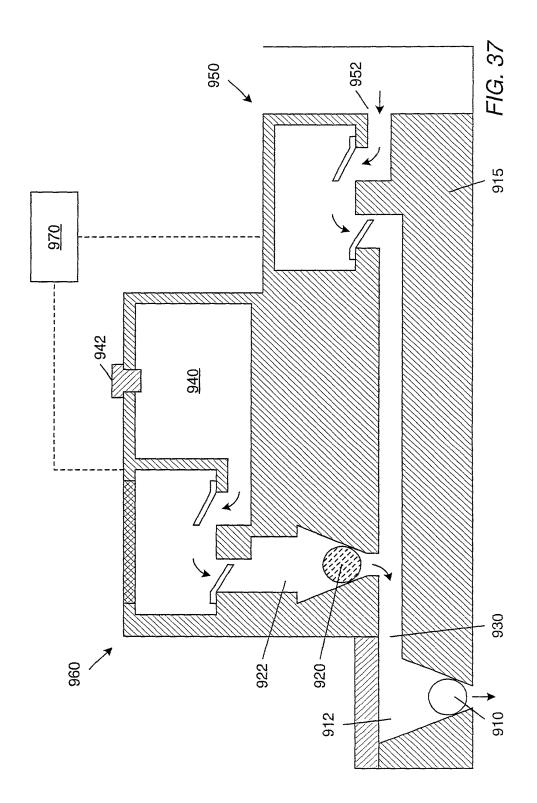
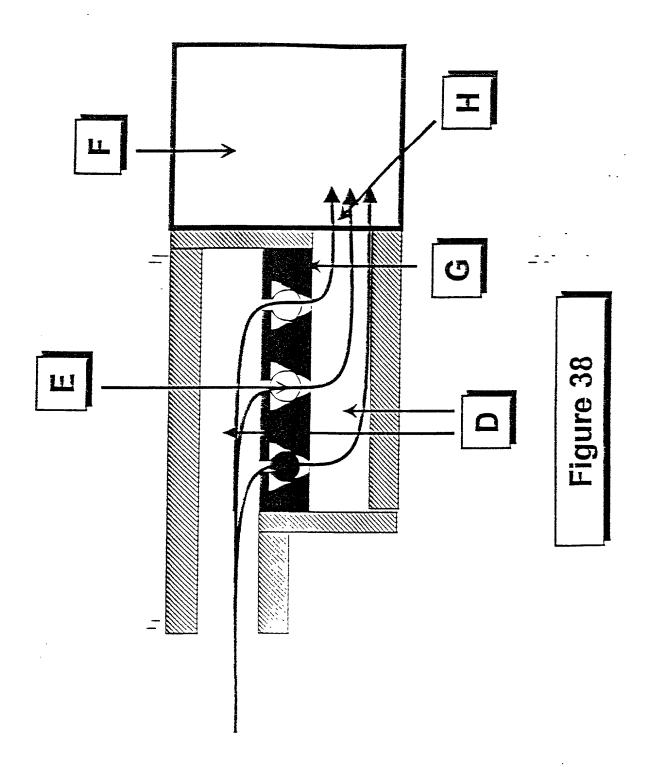


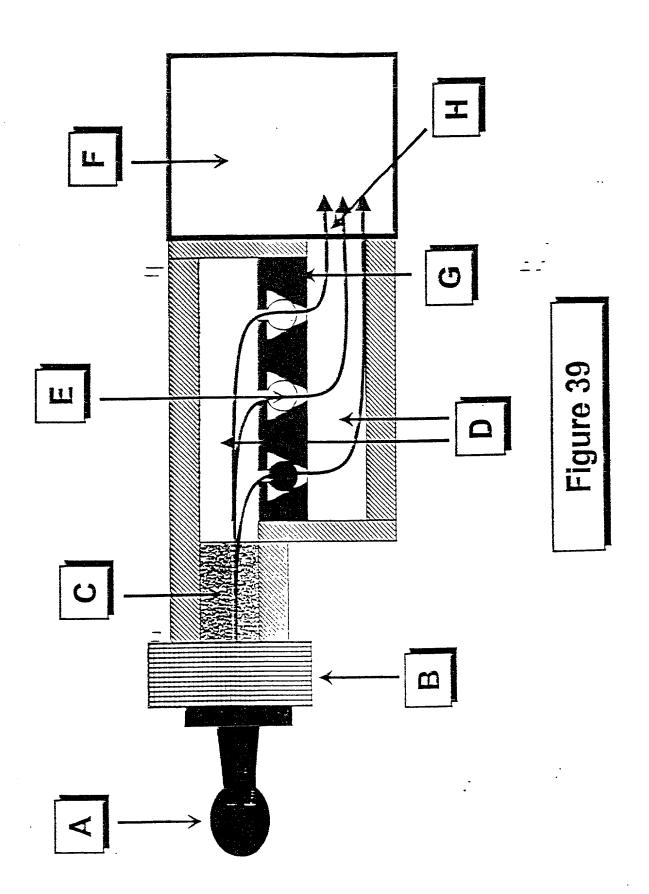
FIG. 36

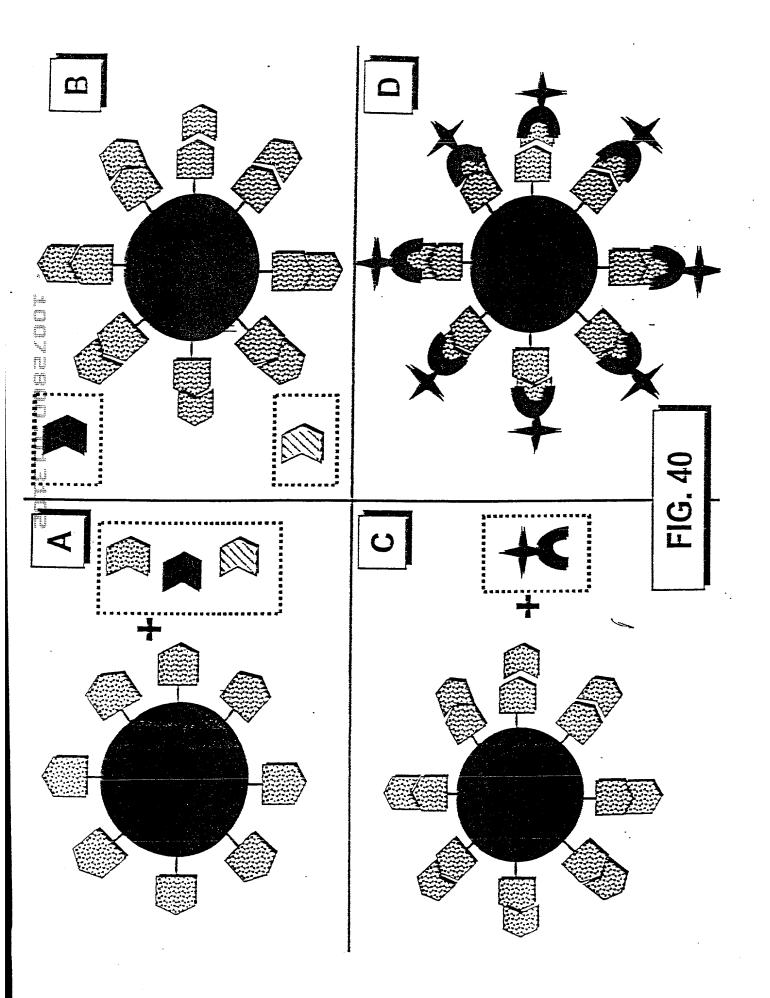
Hilling on a second in

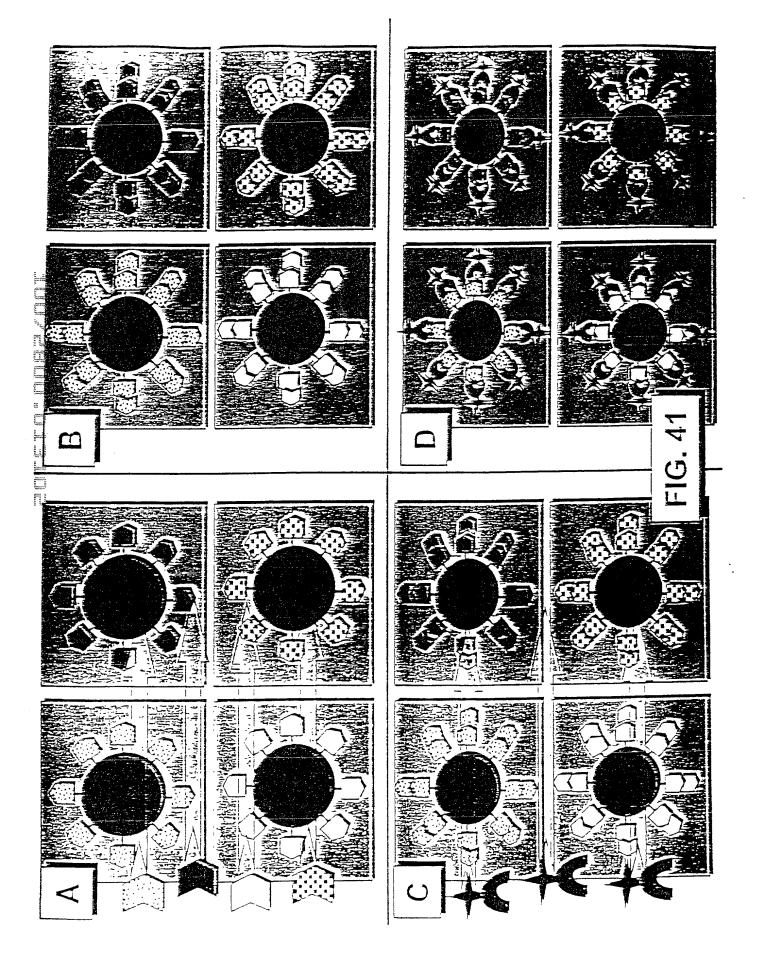


and the control of th

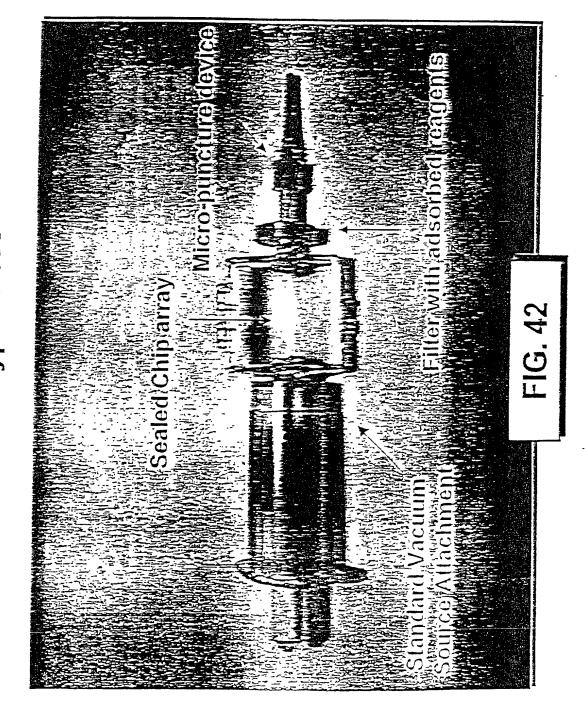


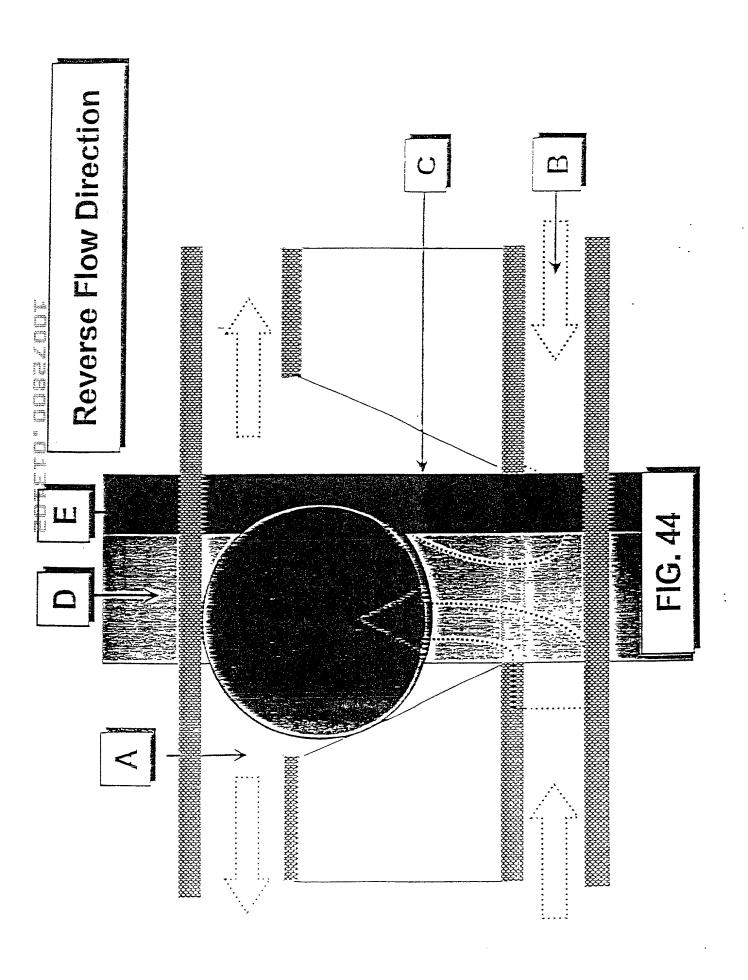


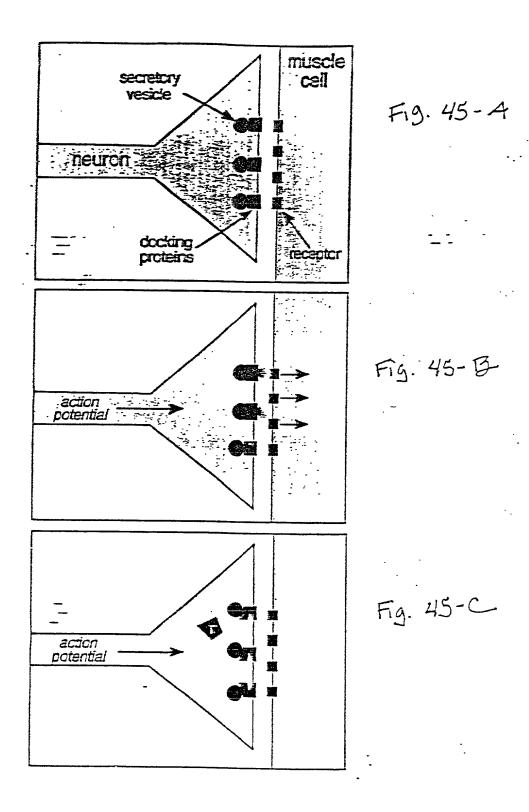




Electronic Tongue Biological Sample Acquisition Prototype 6/2/99







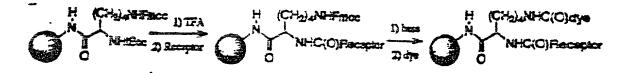
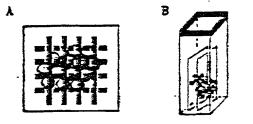
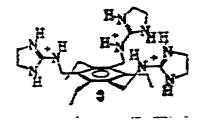
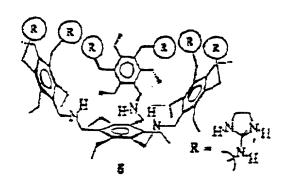


FIG. 45 D



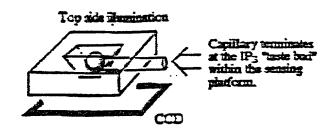
F16.46





F16. 47

F16. 48



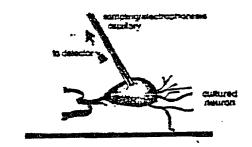


FIG. 49

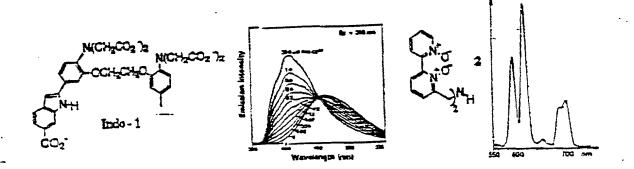


FIG. 50

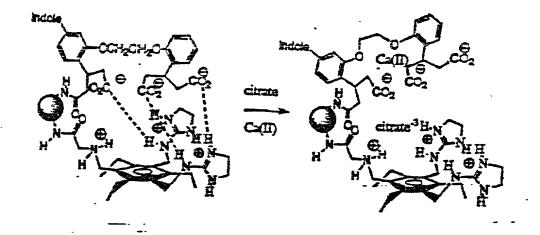
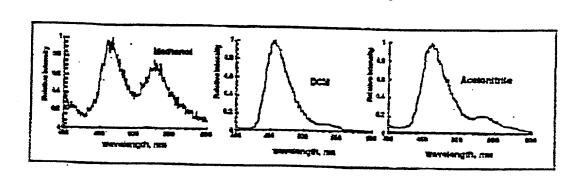
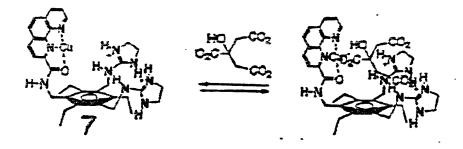


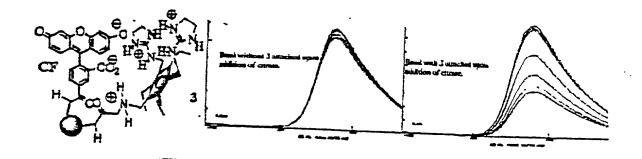
FIG. 51



F16. 52



F16. 53



F15.54

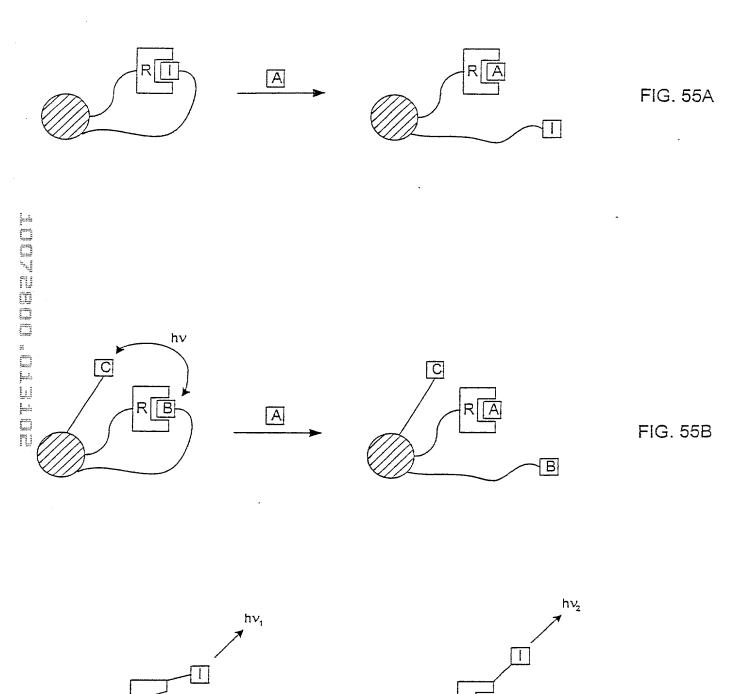
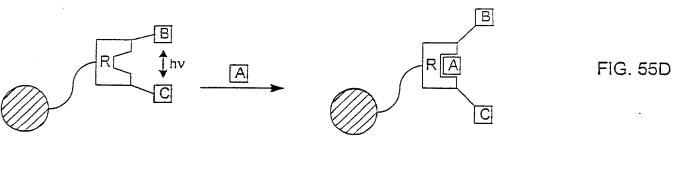
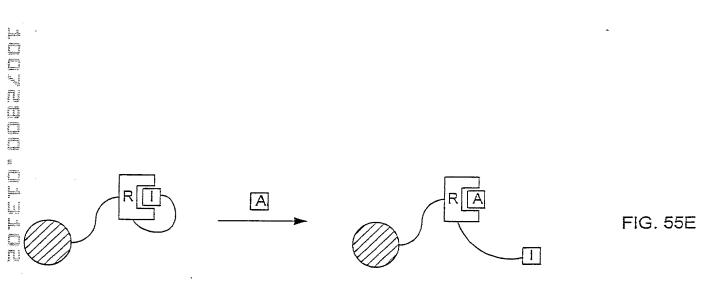
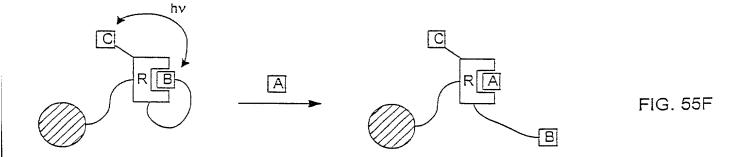


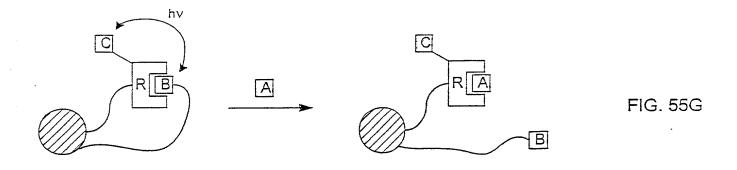
FIG. 55C

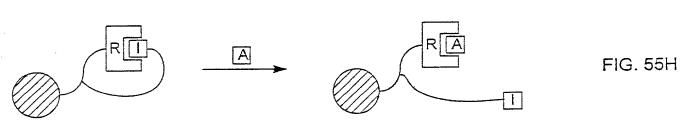
Α

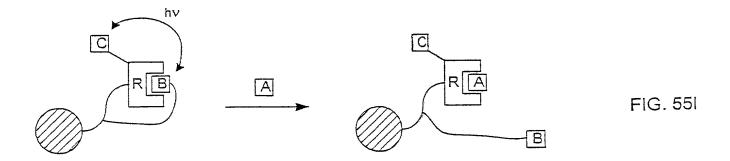












Fluorescein

Trimer

H₃N

H₃N

H₃N

Resin

FIG. 56

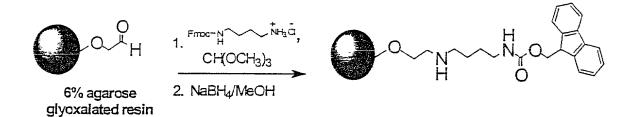


FIG. 57

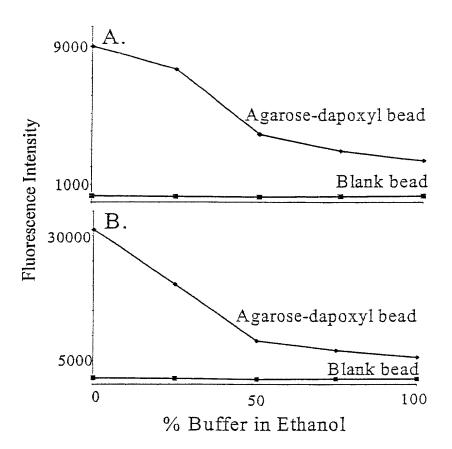


FIG. 58

... tidili. tilli.

THE PERSON

FIG. 59

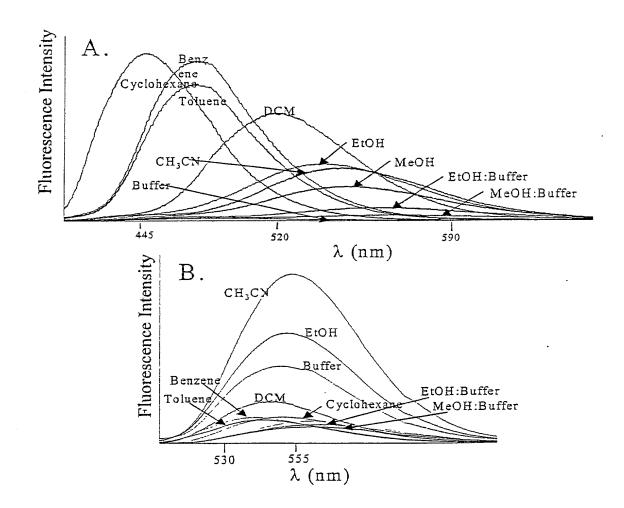


FIG. 60

or illiffication was recorder

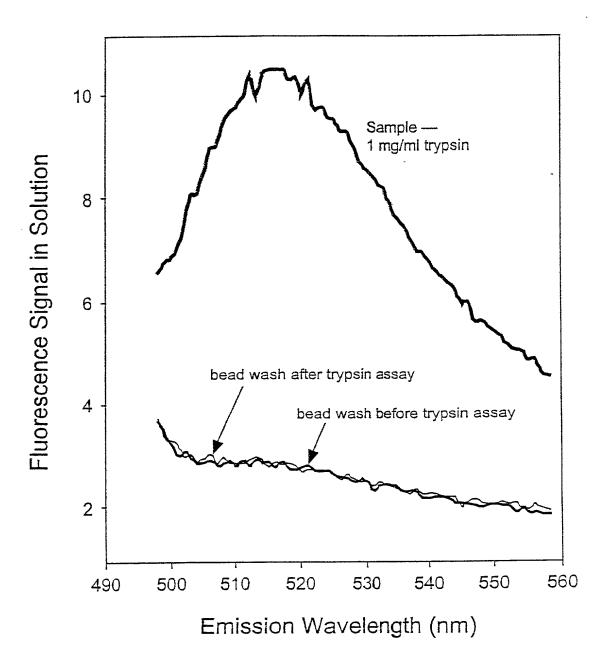


FIG. 63

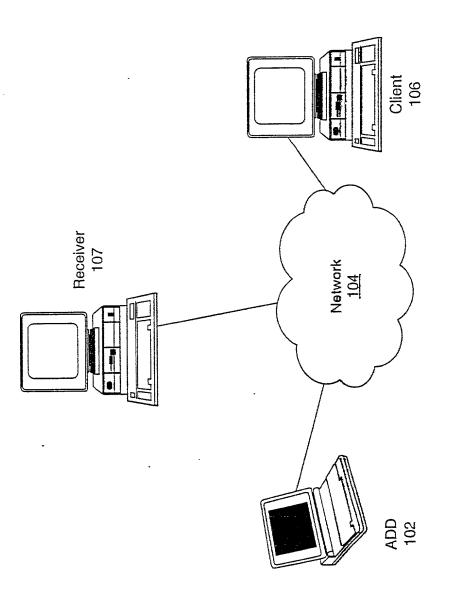


FIG. 64

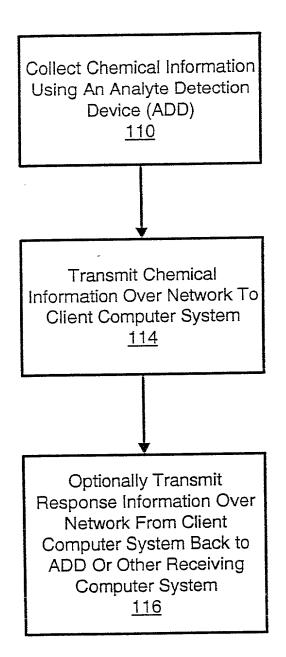


FIG. 65

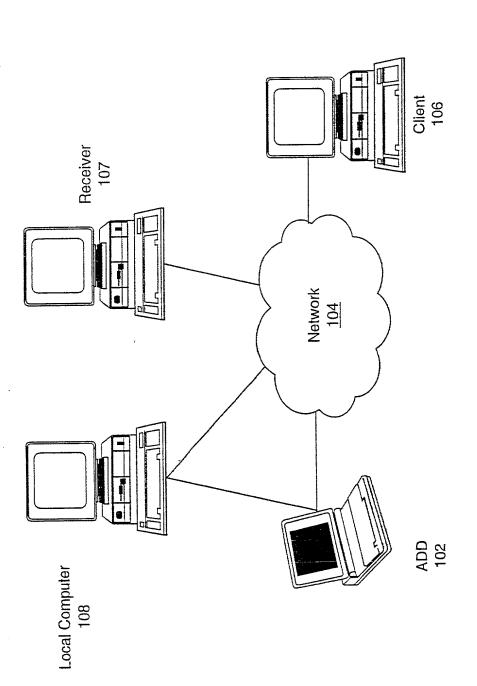


FIG. 6

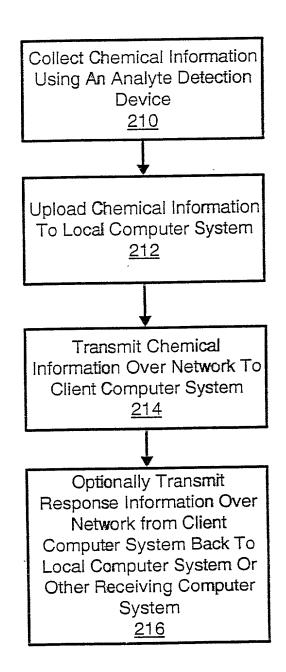


FIG. 67

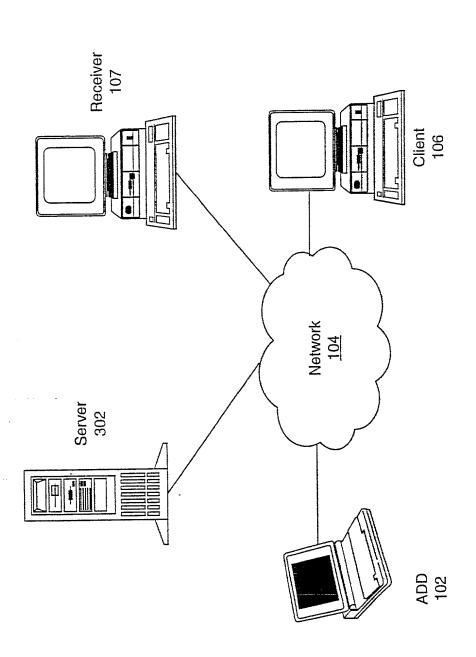


FIG. 68

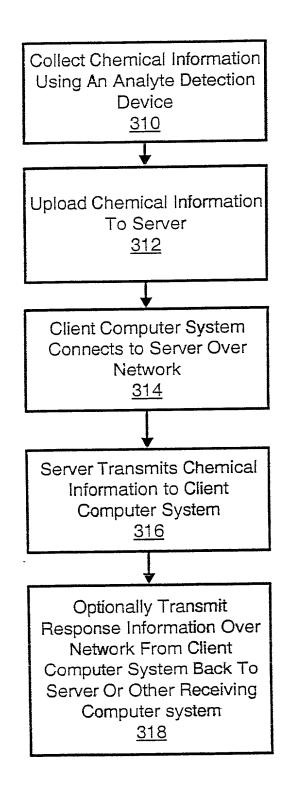


FIG. 69

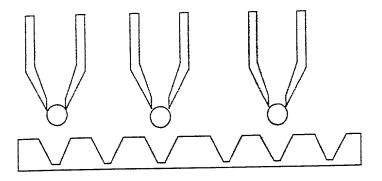


FIG. 704

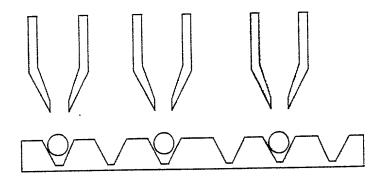


FIG. 70 B

22 CONTRACTOR OF THE PROPERTY OF THE PROPERTY

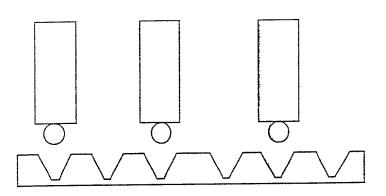


FIG. __ 7[A

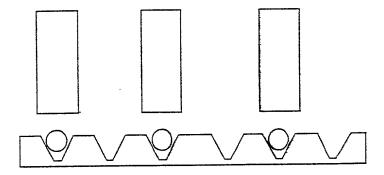


FIG. 718

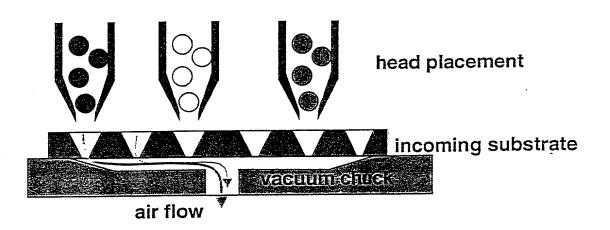


FIG. . 72 A

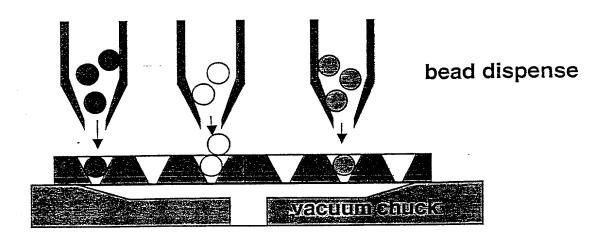


FIG. 72B

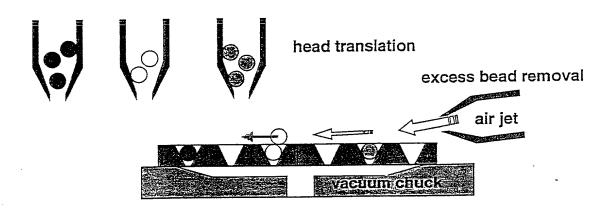


FIG. : 72 C

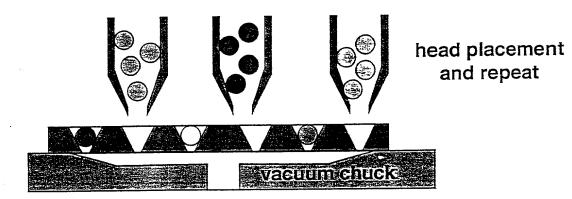
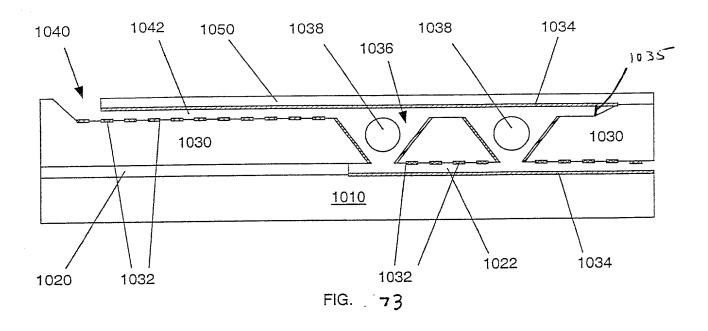
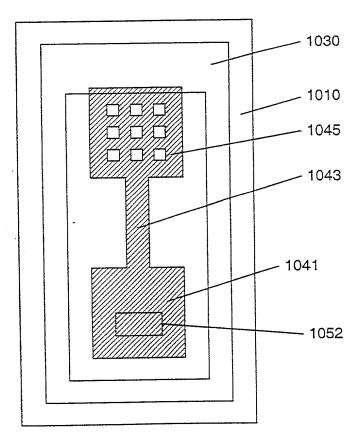


FIG. 72)





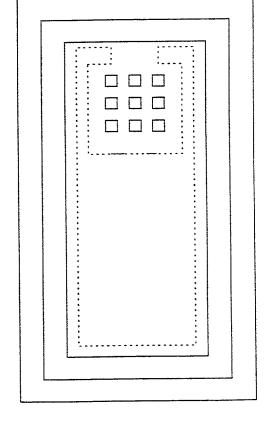
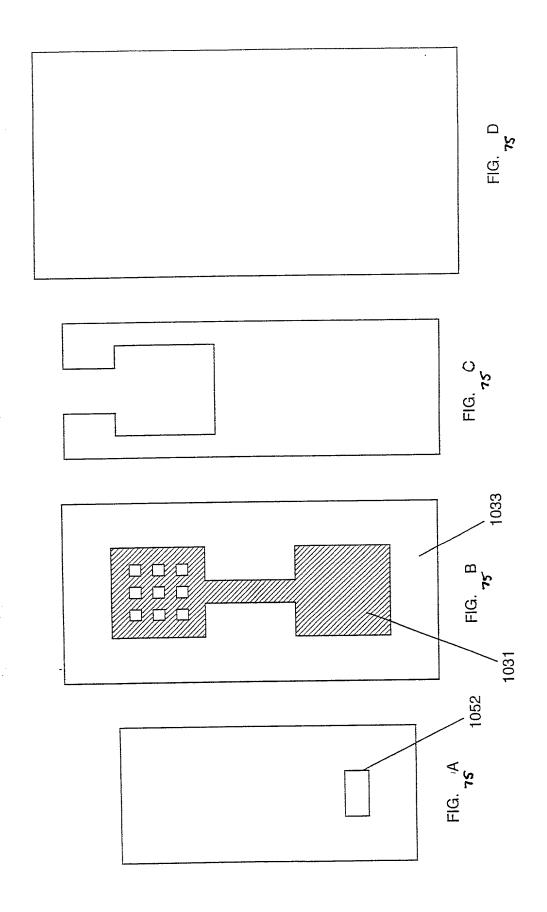


FIG. 74 A

FIG. B



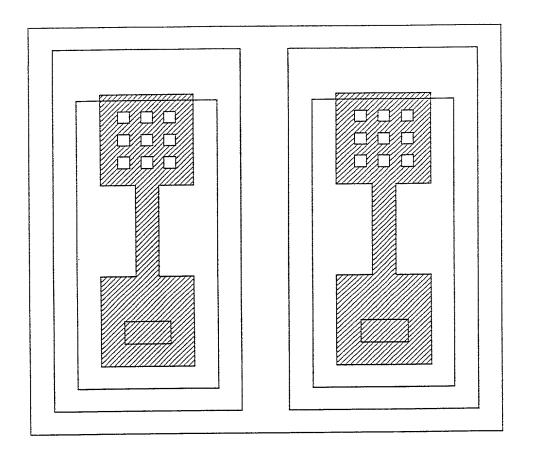
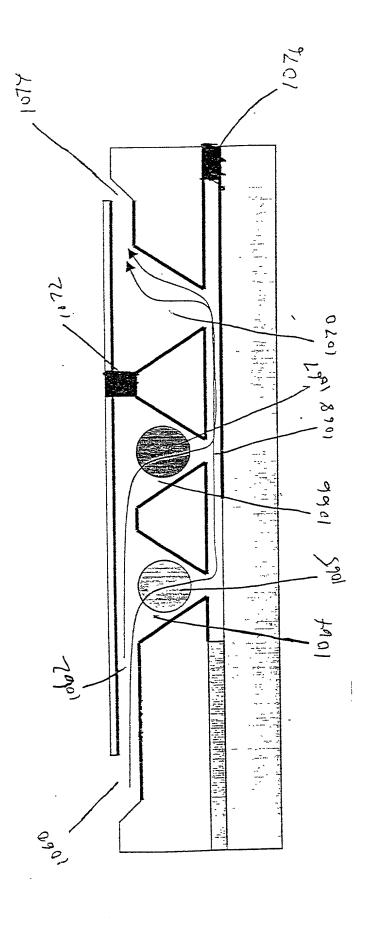


FIG. 76



F16.77

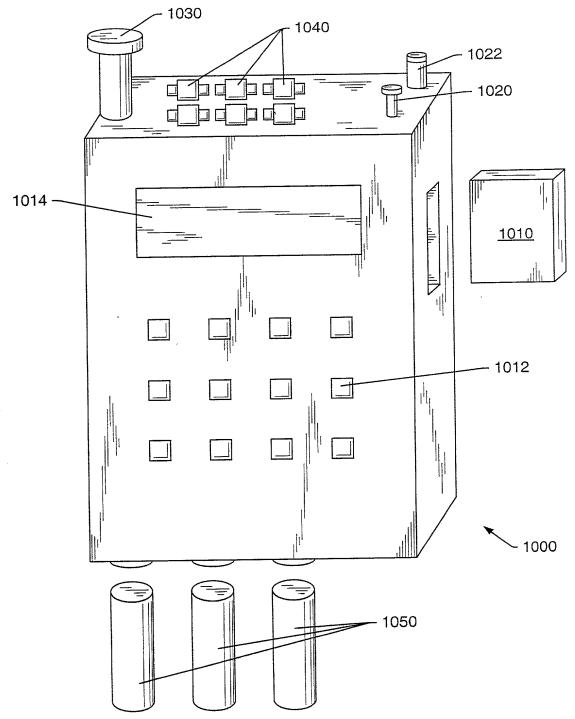
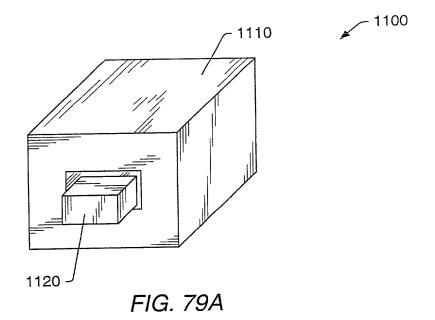


FIG. 78



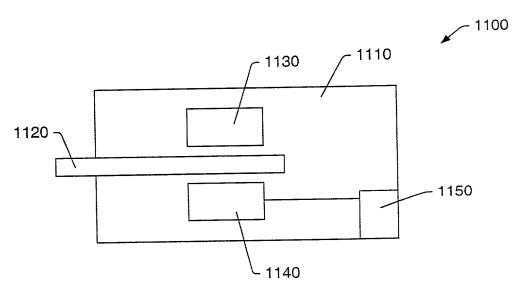
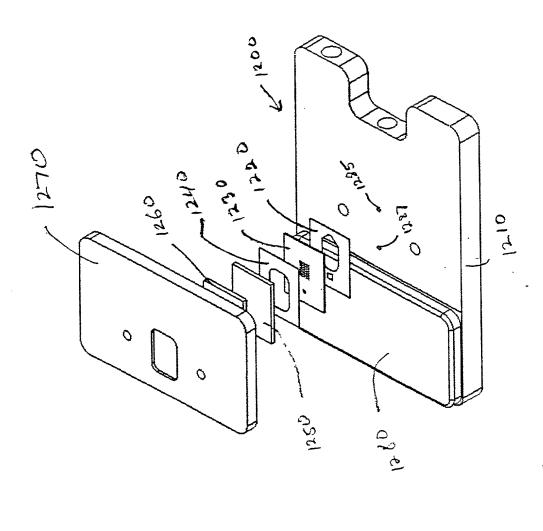
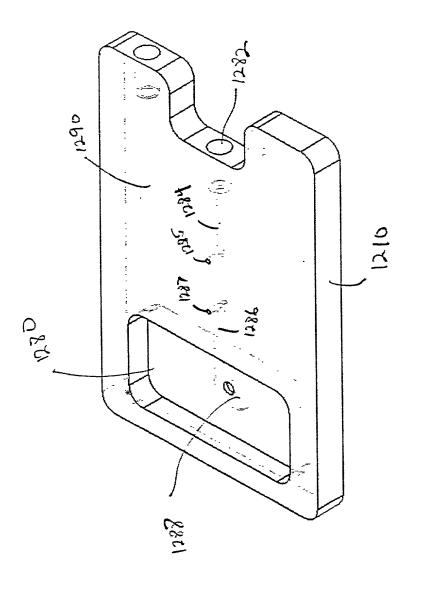


FIG. 79B



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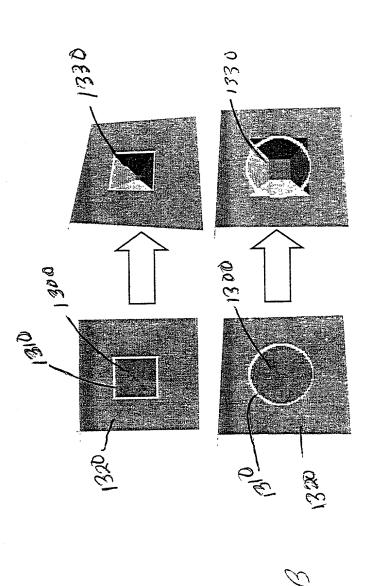
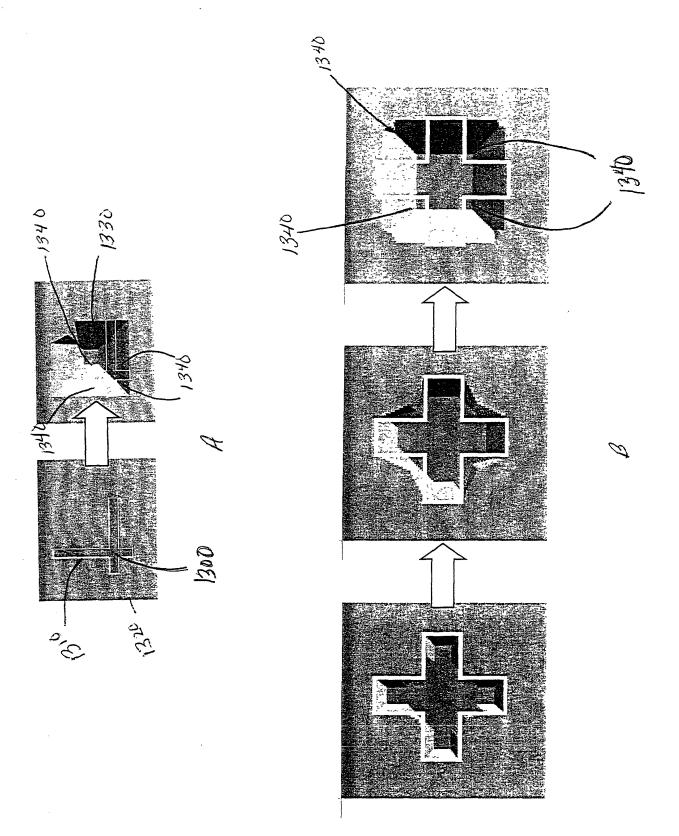
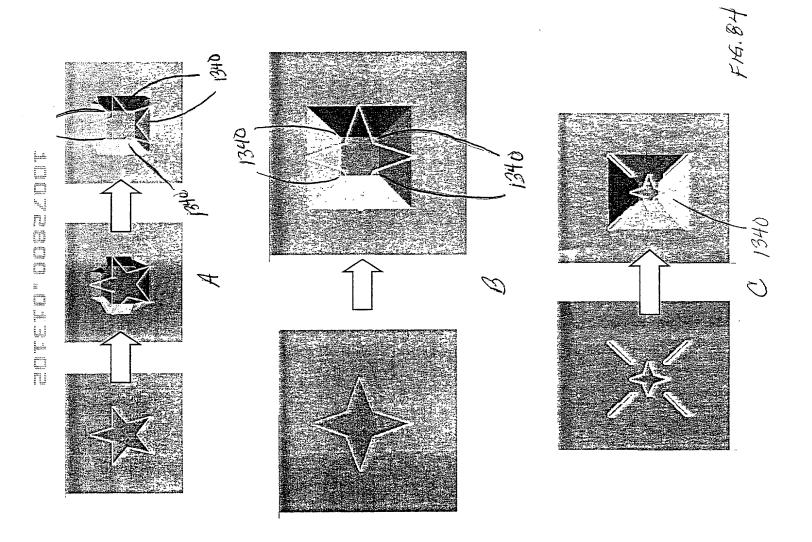


FIG. 82



F16.83



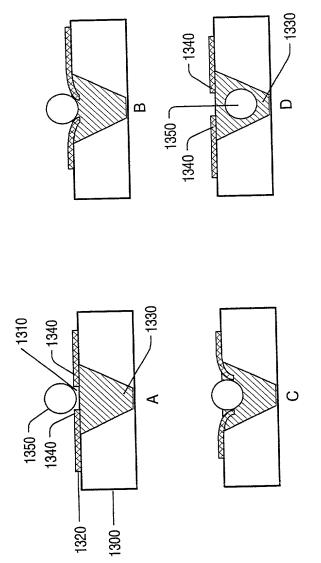
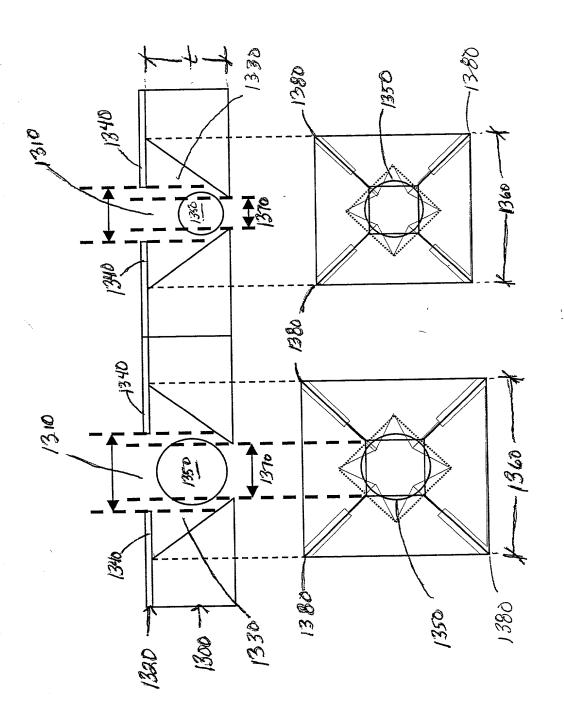
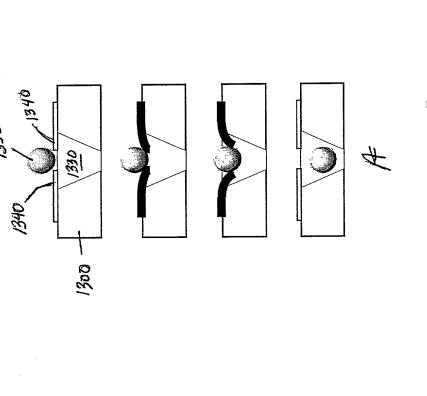


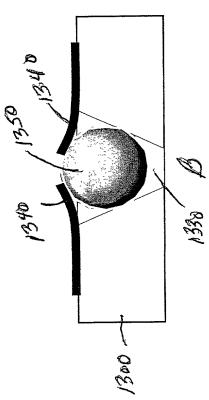
FIG. 85



F14.86

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